

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
21 July 2005 (21.07.2005)

PCT

(10) International Publication Number
WO 2005/067230 A1

(51) International Patent Classification⁷: **H04L 12/56,**
H04Q 7/38

EDLUND, Peter [SE/SE]; Kassmyravägen 18, S-147 33
Tumba (SE).

(21) International Application Number:
PCT/SE2004/000402

(74) Agent: **DR LUDWIG BRANN PATENTBYRÅ AB**; P.O.
Box 17192, S-104 62 Stockholm (SE).

(22) International Filing Date: 18 March 2004 (18.03.2004)

(81) Designated States (*unless otherwise indicated, for every
kind of national protection available*): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
ZW.

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
0400055-0 9 January 2004 (09.01.2004) SE

(71) Applicant (*for all designated States except US*): **TELE-
FONAKTIEBOLAGET LM ERICSSON (PUBL)**
[SE/SE]; S-126 25 Stockholm (SE).

(72) Inventors; and

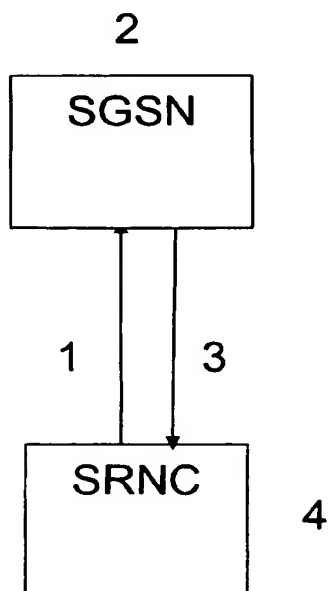
(75) Inventors/Applicants (*for US only*): **BERGSTRÖM,**
Joakim Karl Olof [SE/SE]; Erik Dahlbergsgatan 29
B, 5 tr, S-115 32 Stockholm (SE). **SAGNÉ, Jacques**
[SE/SE]; Engelnbrektsgratan 12, S-114 32 Stockholm (SE).

(84) Designated States (*unless otherwise indicated, for every
kind of regional protection available*): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),
Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), Euro-
pean (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR,

[Continued on next page]

(54) Title: A METHOD FOR MULTIMEDIA BROADCAST MULTICAST SERVICE LINKING FOR PMM IDLE MOBILES

(57) Abstract: The present invention relates to methods and arrangements in a mobile telecommunication system for initiating a Multimedia Broadcast Multimedia Service (MBMS) to a User Equipment (UE) in PMM-idle mode controlled by a Radio Network Controller (RNC) wherein the RNC is connected to a Serving GPRS Support Node (SGSN). The method in the RNC according one of the embodiment comprises the steps of: (a)-indicating to the SGSN that the UE transits to the Circuit Switched connected mode, (b)-receiving from the SGSN an MBMS UE context, and (d)-adding MBMS UE context in the RNC to make the RNC aware of that it controls UEs connected to the MBMS.





GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK,
TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW,
ML, MR, NE, SN, TD, TG).

Published:

— with international search report

Declaration under Rule 4.17:

— of inventorship (Rule 4.17(iv)) for US only

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.